



Links between SVG and open or free tools in an online GIS

Case study : generate wide format printings with a SVG-based GIS



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Geographic Information System



Vector data



Alphanumerical data



Raster data



Users needs



Online GIS



Data consultation and manipulation







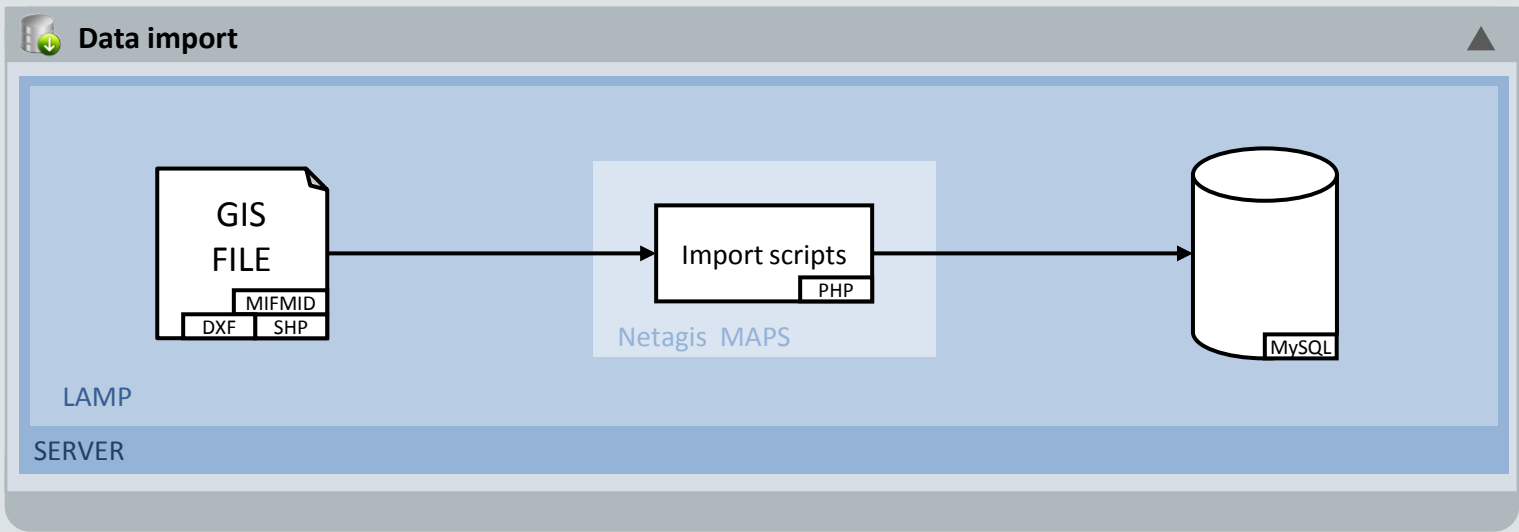
Data edition



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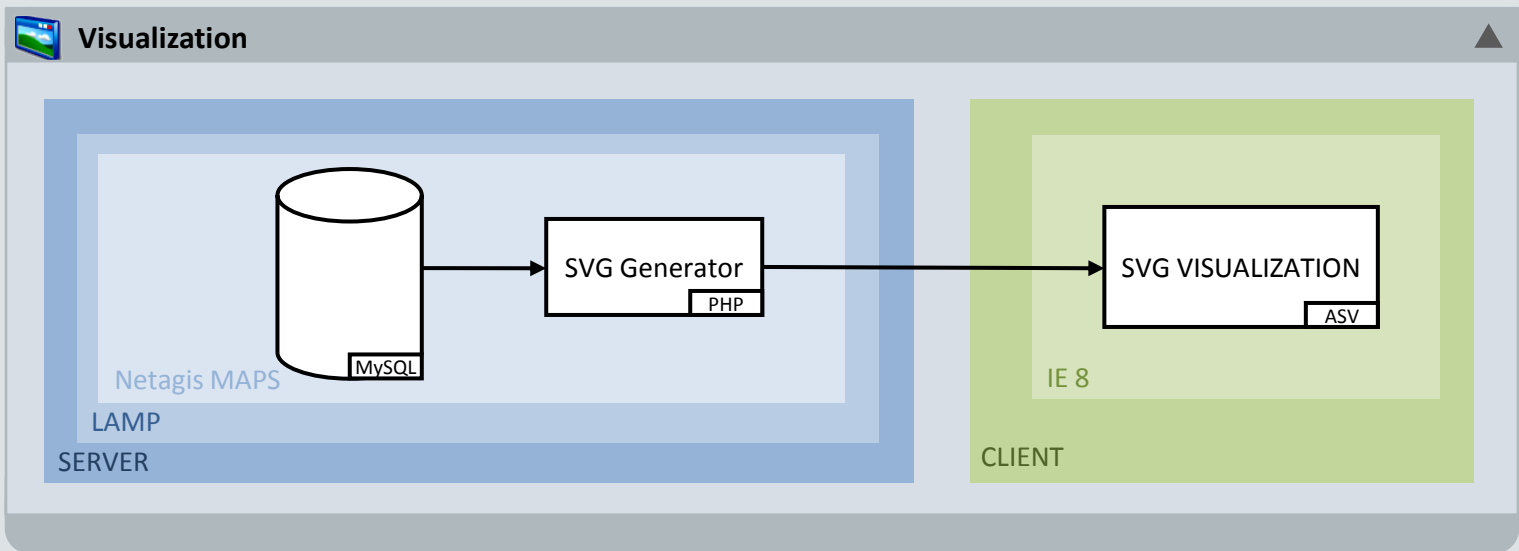
Server structure

-  **Linux**
-  **Apache**
-  **MySQL**
-  **PHP**



Client structure

-  **Internet Explorer**
-  **Adobe SVG viewer**
-  **SVG layer template**





SVG manipulation



Layer style modification



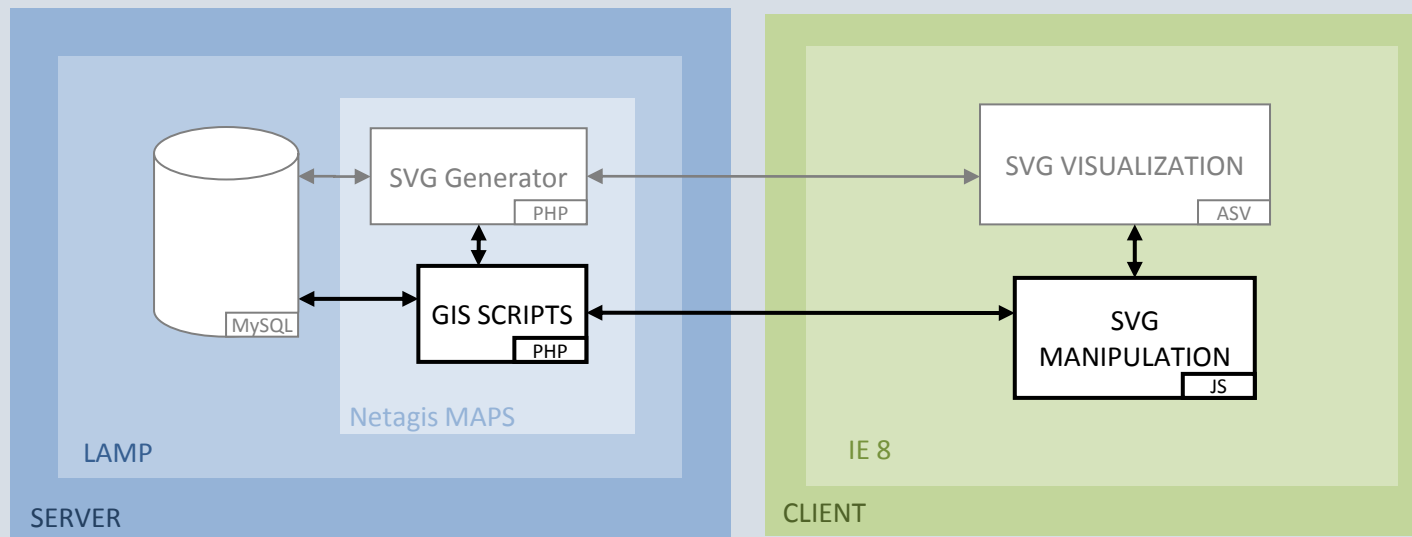
Element shape modification



Layer interactivity



Tools used



Alternatives

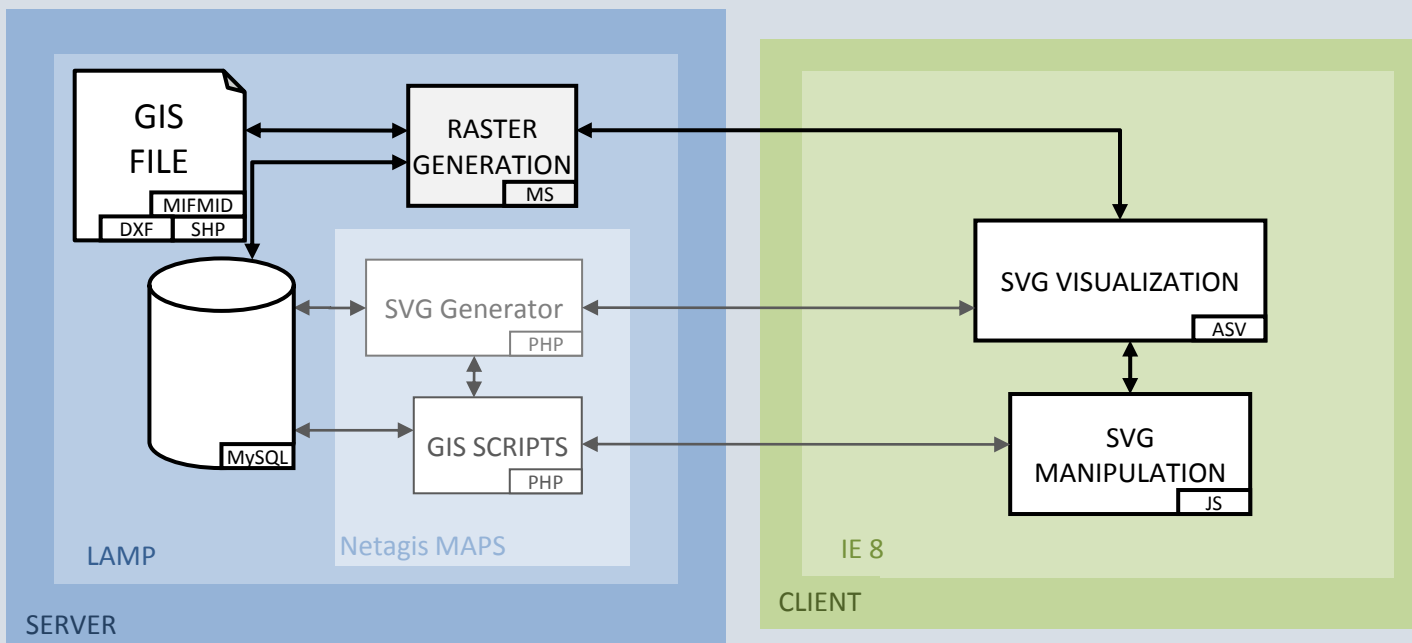


Tiles pre-generation



On the fly generation

Mapserver



Wide format prints



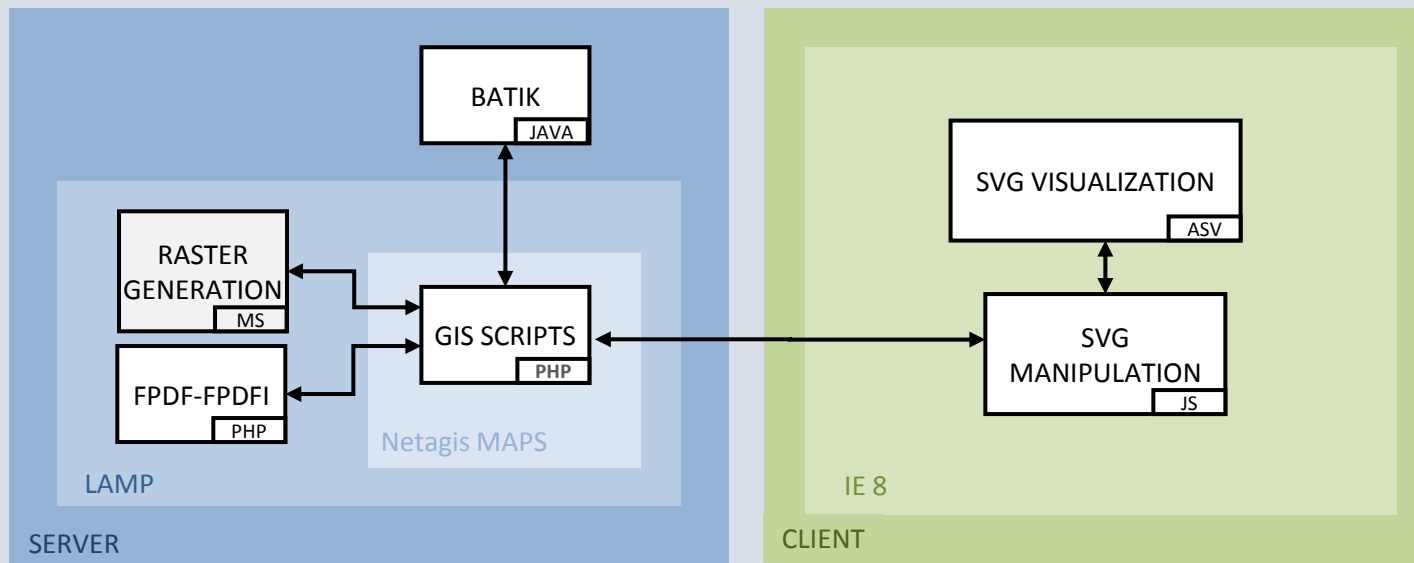
PDF



Batik SVG reasterizer



Functioning of the system



 **Advantages** 



Reduced development time



Responds to users' need



No licence cost

 **Drawbacks** 



Complex system



Software maintenance and update



Client side limitations



Netagis MAPS 2010

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Thank you !



Any questions ?



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